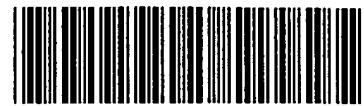


1644



1600

P#10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/853,080A

DATE: 11/21/2002
TIME: 11:23:17

Input Set : A:\~WRL3152.tmp
Output Set: N:\CRF4\11212002\I853080A.raw

RECEIVED

NOV 27 2002

TECH CENTER 1600/2900

4 <110> APPLICANT: Laub, Ruth
 5 Di Giambattista, Mario
 7 <120> TITLE OF INVENTION: ANTIGENIC POLYPEPTIDE SEQUENCE OF FACTOR
 8 VIII, FRAGMENTS AND/OR EPITOPIES OF THESE SEQUENCES
 11 <130> FILE REFERENCE: VANMA48.001CP1
 13 <140> CURRENT APPLICATION NUMBER: US 09/853,080A
 14 <141> CURRENT FILING DATE: 2001-05-09
 16 <150> PRIOR APPLICATION NUMBER: US 08/765,837
 17 <151> PRIOR FILING DATE: 1999-09-07
 19 <150> PRIOR APPLICATION NUMBER: PCT/BE95/00068
 20 <151> PRIOR FILING DATE: 1995-07-14
 22 <150> PRIOR APPLICATION NUMBER: BE 940066
 23 <151> PRIOR FILING DATE: 1994-07-14
 25 <160> NUMBER OF SEQ ID NOS: 48
 27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 17
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Homo sapiens
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: epitope Arg 1648 to Tyr 1664 of A3 domain of
 36 Factor VIII
 38 <400> SEQUENCE: 1
 39 Arg Asp Ile Thr Arg Thr Thr Leu Gln Ser Asp Gln Glu Glu Ile Asp
 40 1 5 10 15
 41 Tyr
 45 <210> SEQ ID NO: 2
 46 <211> LENGTH: 16
 47 <212> TYPE: PRT
 48 <213> ORGANISM: Homo sapiens
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: epitope Asp 1681 to Arg 1696 of A3 domain of
 52 Factor VIII
 54 <400> SEQUENCE: 2
 55 Asp Glu Asp Glu Asn Gln Ser Pro Arg Ser Phe Gln Lys Lys Thr Arg
 56 1 5 10 15
 59 <210> SEQ ID NO: 3
 60 <211> LENGTH: 10
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Homo sapiens
 64 <220> FEATURE:
 65 <223> OTHER INFORMATION: epitope Thr 1739 to Tyr 1748 of A3 domain of
 66 Factor VIII

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/853,080A

DATE: 11/21/2002
TIME: 11:23:17

Input Set : A:\~WRL3152.tmp
Output Set: N:\CRF4\11212002\I853080A.raw

68 <400> SEQUENCE: 3
69 Thr Asp Gly Ser Phe Thr Gln Pro Leu Tyr
70 1 5 10
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 9
75 <212> TYPE: PRT
76 <213> ORGANISM: Homo sapiens
78 <220> FEATURE:
79 <223> OTHER INFORMATION: epitope Asn 1777 to Phe 1785 of A3 domain of
80 Factor VIII
82 <400> SEQUENCE: 4
83 Asn Gln Ala Ser Arg Pro Tyr Ser Phe
84 1 5
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 22
89 <212> TYPE: PRT
90 <213> ORGANISM: Homo sapiens
92 <220> FEATURE:
93 <223> OTHER INFORMATION: epitope Glu 1794 to Tyr 1815 of A3 domain of
94 Factor VIII
96 <400> SEQUENCE: 5
97 Glu Asp Gln Arg Gln Gly Ala Glu Pro Arg Lys Asn Phe Val Lys Pro
98 1 5 10 15
99 Asn Glu Thr Lys Thr Tyr
100 20
103 <210> SEQ ID NO: 6
104 <211> LENGTH: 9
105 <212> TYPE: PRT
106 <213> ORGANISM: Homo sapiens
108 <220> FEATURE:
109 <223> OTHER INFORMATION: epitope Met 1823 to Asp 1831 of A3 domain of
110 Factor VIII
112 <400> SEQUENCE: 6
113 Met Ala Pro Thr Lys Asp Glu Phe Asp
114 1 5
117 <210> SEQ ID NO: 7
118 <211> LENGTH: 7
119 <212> TYPE: PRT
120 <213> ORGANISM: Homo sapiens
122 <220> FEATURE:
123 <223> OTHER INFORMATION: epitope Glu 1885 to Phe 1891 of A3 domain of
124 Factor VIII
126 <400> SEQUENCE: 7
127 Glu Thr Lys Ser Trp Tyr Phe
128 1 5
131 <210> SEQ ID NO: 8
132 <211> LENGTH: 16
133 <212> TYPE: PRT
134 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING DATE: 11/21/2002
PATENT APPLICATION: US/09/853,080A TIME: 11:23:17

Input Set : A:\~WRL3152.tmp
Output Set: N:\CRF4\11212002\I853080A.raw

136 <220> FEATURE:
137 <223> OTHER INFORMATION: epitope Glu 1885 to Ala 1901 of A3 domain of
138 Factor VIII
140 <400> SEQUENCE: 8
141 Glu Thr Lys Ser Trp Phe Thr Glu Asn Met Glu Arg Asn Cys Arg Ala
142 1 5 10 15
145 <210> SEQ ID NO: 9
146 <211> LENGTH: 9
147 <212> TYPE: PRT
148 <213> ORGANISM: Homo sapiens
150 <220> FEATURE:
151 <223> OTHER INFORMATION: epitope Asp 1909 to Arg 1917 of A3 domain of
152 Factor VIII
154 <400> SEQUENCE: 9
155 Asp Pro Thr Phe Lys Glu Asn Tyr Arg
156 1 5
159 <210> SEQ ID NO: 10
160 <211> LENGTH: 14
161 <212> TYPE: PRT
162 <213> ORGANISM: Homo sapiens
164 <220> FEATURE:
165 <223> OTHER INFORMATION: epitope Ser 2018 to His 2031 of A3 domain of
166 Factor VIII
168 <400> SEQUENCE: 10
169 Ser Asn Lys Cys Gln Thr Pro Leu Gly Met Ala Ser Gly His
170 1 5 10
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 21
175 <212> TYPE: PRT
176 <213> ORGANISM: Homo sapiens
178 <220> FEATURE:
179 <223> OTHER INFORMATION: epitope Ala 108 to Val 128 of A1 domain of Factor
180 VIII
182 <400> SEQUENCE: 11
183 Ala Ser Glu Gly Ala Glu Tyr Asp Asp Gln Thr Ser Gln Arg Glu Lys
184 1 5 10 15
185 Glu Asp Asp Lys Val
186 20
189 <210> SEQ ID NO: 12
190 <211> LENGTH: 12
191 <212> TYPE: PRT
192 <213> ORGANISM: Homo sapiens
194 <220> FEATURE:
195 <223> OTHER INFORMATION: epitope Glu 181 to Leu 192 of A1 domain of Factor
196 VIII
198 <400> SEQUENCE: 12
199 Glu Gly Ser Leu Ala Lys Glu Lys Thr Gln Thr Leu
200 1 5 10
203 <210> SEQ ID NO: 13

RAW SEQUENCE LISTING DATE: 11/21/2002
PATENT APPLICATION: US/09/853,080A TIME: 11:23:17

Input Set : A:\~WRL3152.tmp
Output Set: N:\CRF4\11212002\I853080A.raw

204 <211> LENGTH: 25
205 <212> TYPE: PRT
206 <213> ORGANISM: Homo sapiens
208 <220> FEATURE:
209 <223> OTHER INFORMATION: epitope Asp 203 to Ala 227 of A1 domain of Factor
210 VIII
212 <400> SEQUENCE: 13
213 Asp Glu Gly Lys Ser Trp His Ser Glu Thr Lys Asn Ser Leu Met Gln
214 1 5 10 15
215 Asp Arg Asp Ala Ala Ser Ala Arg Ala
216 20 25
219 <210> SEQ ID NO: 14
220 <211> LENGTH: 29
221 <212> TYPE: PRT
222 <213> ORGANISM: Homo sapiens
224 <220> FEATURE:
225 <223> OTHER INFORMATION: epitope Asp 327 to Met 355 of A1 domain of Factor
226 VIII
228 <400> SEQUENCE: 14
229 Asp Ser Cys Pro Glu Glu Pro Gln Leu Arg Met Lys Asn Asn Glu Glu
230 1 5 10 15
231 Ala Glu Asp Tyr Asp Asp Asp Leu Thr Asp Ser Glu Met
232 20 25
235 <210> SEQ ID NO: 15
236 <211> LENGTH: 23
237 <212> TYPE: PRT
238 <213> ORGANISM: Homo sapiens
240 <220> FEATURE:
241 <223> OTHER INFORMATION: epitope Asp 403 to Lys 425 of A2 domain of Factor
242 VIII
244 <400> SEQUENCE: 15
245 Asp Asp Arg Ser Tyr Lys Ser Gln Tyr Leu Asn Asn Gly Pro Gln Arg
246 1 5 10 15
247 Ile Gly Arg Lys Tyr Lys Lys
248 20
251 <210> SEQ ID NO: 16
252 <211> LENGTH: 11
253 <212> TYPE: PRT
254 <213> ORGANISM: Homo sapiens
256 <220> FEATURE:
257 <223> OTHER INFORMATION: epitope Val 517 to Arg 527 of A2 domain of Factor
258 VIII
260 <400> SEQUENCE: 16
261 Val Glu Asp Gly Pro Thr Lys Ser Asp Pro Arg
262 1 5 10
265 <210> SEQ ID NO: 17
266 <211> LENGTH: 11
267 <212> TYPE: PRT
268 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING DATE: 11/21/2002
PATENT APPLICATION: US/09/853,080A TIME: 11:23:17

Input Set : A:\~WRL3152.tmp
Output Set: N:\CRF4\11212002\I853080A.raw

270 <220> FEATURE:
271 <223> OTHER INFORMATION: epitope Tyr 555 to Gln 565 of A2 domain of Factor
272 VIII
274 <400> SEQUENCE: 17
275 Tyr Lys Glu Ser Val Asp Gly Arg Gly Asn Gln
276 1 5 10
279 <210> SEQ ID NO: 18
280 <211> LENGTH: 9
281 <212> TYPE: PRT
282 <213> ORGANISM: Homo sapiens
284 <220> FEATURE:
285 <223> OTHER INFORMATION: epitope His 693 to Gly 701 of A2 domain of Factor
286 VIII
288 <400> SEQUENCE: 18
289 His Asn Ser Asp Phe Arg Asn Arg Gly
290 1 5
293 <210> SEQ ID NO: 19
294 <211> LENGTH: 16
295 <212> TYPE: PRT
296 <213> ORGANISM: Homo sapiens
298 <220> FEATURE:
299 <223> OTHER INFORMATION: epitope Ser 710 to Asp 725 of A2 domain of Factor
300 VIII
302 <400> SEQUENCE: 19
303 Ser Cys Asp Lys Asn Thr Gly Asp Tyr Tyr Gly Asp Ser Tyr Glu Asp
304 1 5 10 15
307 <210> SEQ ID NO: 20
308 <211> LENGTH: 12
309 <212> TYPE: PRT
310 <213> ORGANISM: Homo sapiens
312 <220> FEATURE:
313 <223> OTHER INFORMATION: epitope Leu 730 to Ser 741 of A2 domain of Factor
314 VIII
316 <400> SEQUENCE: 20
317 Leu Leu Ser Lys Asn Asn Ala Ile Glu Pro Arg Ser
318 1 5 10
321 <210> SEQ ID NO: 21
322 <211> LENGTH: 13
323 <212> TYPE: PRT
324 <213> ORGANISM: Homo sapiens
326 <220> FEATURE:
327 <223> OTHER INFORMATION: epitope Ser 817 to Ser 830 of A2 domain of Factor
328 VIII
330 <400> SEQUENCE: 21
331 Ser Asp Asp Pro Ser Gly Ala Ile Asp Ser Asn Asn Ser
332 1 5 10
335 <210> SEQ ID NO: 22
336 <211> LENGTH: 15
337 <212> TYPE: PRT

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/853,080A

DATE: 11/21/2002

TIME: 11:23:18

Input Set : A:\~WRL3152.tmp

Output Set: N:\CRF4\11212002\I853080A.raw